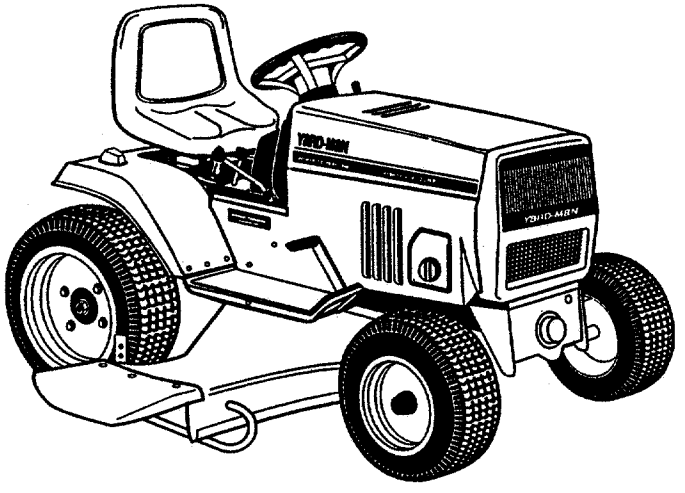
YARD-MAN

OUTDOOR POWER EQUIPMENT
for all seasons

Spring | Summer | Fall | Winter

Owner's Manual



- ASSEMBLY
- OPERATION
- MAINTENANCE

Thank you for purchasing an American-built product.

HYDROSTATIC TRACTOR

Model Series 999

IMPORTANT!

Record the exact **Model No.** and **Serial No.** which appear on the frame of your unit (under the seat) in the space below. You **must** have these numbers, along with the date of purchase, in order to receive warranty or service.

MODEL NO.	SERIAL NO.
14□□999-401	□□□□□□□□□□

IMPORTANT:

Read Safety Rules and Instructions Carefully

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service dealer or contact the service department, P.O. Box 368022, Cleveland, Ohio 44136-9722.

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FORM NO. 770-8795L

IMPORTANT SAFE OPERATION PRACTICES

THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR UNIT. WHEN YOU SEE THIS SYMBOL— **HEED ITS WARNING.**

DANGER: **Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in injury. This lawn mower is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.**

I. GENERAL OPERATION

1. Read, understand, and follow all instructions in the manual and on the machine before starting. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. Only allow responsible individuals familiar with the instructions to operate the machine. Know controls and how to stop the machine quickly.
3. Do not put hands or feet under cutting deck or near rotating parts.
4. Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade. A small object may have been overlooked and could be accidentally thrown by the mower in any direction and cause injury to you or a bystander. To help avoid a thrown objects injury, keep children, bystanders and helpers at least 75 feet from the mower while it is in operation. Always wear safety glasses or safety goggles during operation or while performing an adjustment or repair, to protect eyes from foreign objects. Stop the blade(s) when crossing gravel drives, walks or roads.
5. Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
6. Never carry passengers.
7. Disengage blade(s) before shifting into reverse and backing up. Always look down and behind before and while backing.
8. Be aware of the mower and attachment discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the chute guard in place.
9. Slow down before turning. Operate the machine smoothly. Avoid erratic operation and excessive speed.
10. Never leave a running machine unattended. Always turn off blade(s), place transmission in neutral, set park brake, stop engine and remove key before dismounting.
11. Turn off blade(s) when not mowing.
12. Stop engine and wait until blade(s) comes to a complete stop before (a) removing grass catcher or unclogging chute, or (b) making any repairs, adjusting or removing any grass or debris.
13. Mow only in daylight or good artificial light.
14. Do not operate the machine while under the influence of alcohol or drugs.
15. Watch for traffic when operating near or crossing roadways.
16. Use extra care when loading or unloading the machine into a trailer or truck. This unit should not be driven up or down a ramp onto a trailer or truck under power, because the unit could tip over, causing serious personal injury. The unit must be pushed manually on a ramp to load or unload properly.
17. Never make a cutting height adjustment while engine is running if operator must dismount to do so.
18. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Do not wear loose fitting clothes or jewelry. They can be caught in moving parts. Never operate a unit in bare feet, sandals, or sneakers.
19. Check overhead clearance carefully before driving under power lines, wires, bridges or low hanging tree branches, before entering or leaving buildings, or in any other situation where the operator may be struck or pulled from the unit, which could result in serious injury.
20. Disengage all attachment clutches, thoroughly depress the brake pedal, and shift into neutral before attempting to start engine.
21. Your mower is designed to cut normal residential grass of a height no more than 10". Do not attempt to mow through unusually tall, dry grass (e.g., pasture) or piles of dry leaves. Debris may build up on the mower deck or contact the engine exhaust presenting a potential fire hazard.

II. SLOPE OPERATION

Slopes are a major factor related to loss of control and tip-over accidents which can result in severe injury or death. **All** slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.

DO:

Mow up and down slopes, not across.

Remove obstacles such as rocks, limbs, etc.

Watch for holes, ruts or bumps. Uneven terrain could overturn the machine. **Tall grass can hide obstacles.**

Use slow speed. Choose a low enough gear so that you will not have to stop or shift while on the slope. Always keep machine in gear when going down slopes to take advantage of engine braking action.

Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.

Use extra care with grass catchers or other attachments. These can change the stability of the machine.

Keep all movement on the slopes **slow** and **gradual.** Do not make sudden changes in speed or direction. Rapid engagement or braking could cause the front of the machine to lift and rapidly flip over backwards which could cause serious injury.

Avoid starting or stopping on a slope. If tires lose traction, disengage the blade(s) and proceed slowly **straight** down the slope.

DO NOT:

Do not turn on slopes unless necessary; then, turn slowly and gradually downhill, if possible.

Do not mow near drop-offs, ditches or embankments.The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.

Do not mow on wet grass. Reduced traction could cause sliding.

Do not try to stabilize the machine by putting your foot on the ground.

Do not use grass catcher on steep slopes.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. **Never** assume that children will remain where you last saw them.

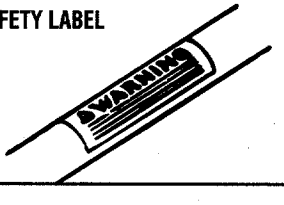
1. Keep children out of the mowing area and in watchful care of an adult other than the operator.
2. Be alert and turn machine off if children enter the area.
3. Before and when backing, look behind and **down** for small children.
4. Never carry children. They may fall off and be seriously injured or interfere with the safe machine operation.
5. Never allow children under 14 years old to operate the machine. Children 14 years and over should only operate machine under close parental supervision and proper instruction.
6. Use extra care when approaching blind corners, shrubs, trees or other objects that may obscure your vision of a child or other hazard.
7. Remove key when machine is unattended to prevent unauthorized operation.

IV. SERVICE

1. Use extreme care in handling gasoline and other fuels. They are extremely flammable and the vapors are explosive.
   a. Use only an approved container.
   b. Never remove fuel cap or add fuel with the engine running. Allow engine to cool at least two minutes before refueling.
   c. Replace fuel cap securely and wipe off any spilled fuel before starting the engine as it may cause a fire or explosion.
   d. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
   e. Never refuel the machine indoors because fuel vapors will accumulate in the area.
   f. Never store the fuel container or machine inside where there is an open flame or spark, such as a gas hot water heater, space heater or furnace.
2. Never run a machine inside a closed area.
3. To reduce fire hazard, keep the machine free of grass, leaves or other debris build-up. Clean up oil or fuel spillage. Allow machine to cool at least 5 minutes before storing.
4. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
5. Check the blade and engine mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., excessive wear, bent, cracked). Replace with blade which meets original equipment specifications.
6. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
7. Never tamper with safety devices. Check their proper operation regularly. Use all guards as instructed in this manual.
8. After striking a foreign object, stop the engine, remove the wire from the spark plug and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
9. Grass catcher components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. For your safety protection, frequently check components and replace with manufacturer's recommended parts when necessary.
10. Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves and use extra caution when servicing blade(s).
11. Check brake operation frequently. Adjust and service as required.
12. Muffler, engine and belt guards become hot during operation and can cause a burn. Allow to cool down before touching.
13. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
14. Observe proper disposal laws and regulations. Improper disposal of fluids and materials can harm the environment and the ecology.
    a. Prior to disposal, determine the proper method to dispose of waste from your local Environmental Protection Agency. Recycling centers are established to properly dispose of materials in an environmentally safe fashion.
    b. Use proper containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them. Properly dispose of the containers immediately following the draining of fluids.
    c. DO NOT pour oil or other fluids into the ground, down a drain or into a stream, pond, lake or other body of water. Observe Environmental Protection Agency regulations when disposing of oil, fuel, coolant, brake fluid, filters, batteries, tires and other harmful waste.

OWNER'S MANUAL

SAFETY LABEL



WARNING — ***YOUR RESPONSIBILITY***

Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

UNPACKING

TO REMOVE UNIT FROM CRATE

1. Remove all screws from the top of the crate using a 1/4" hex head socket or a flat blade screwdriver.
2. To remove ends, grasp top board on the end, and pull towards you in a downward motion.
3. Set panel aside to avoid tire punctures.
4. Repeat procedure for each side of the crate.
5. Remove and discard plastic bag which covers unit.
6. Loose parts (may include the owner's guide, battery fluid, steering wheel, steering bellow, steering wheel insert, box with grease gun and chains for 3 point hitch) are on the seat and wrapped in plastic. Carefully cut and remove the plastic wrap. Remove loose parts from the seat.
7. Make certain brake is released, and push the unit off the skid.

ASSEMBLY INSTRUCTIONS

NOTE: Reference to right or left hand side of the unit is observed from the driver's seat, facing forward.

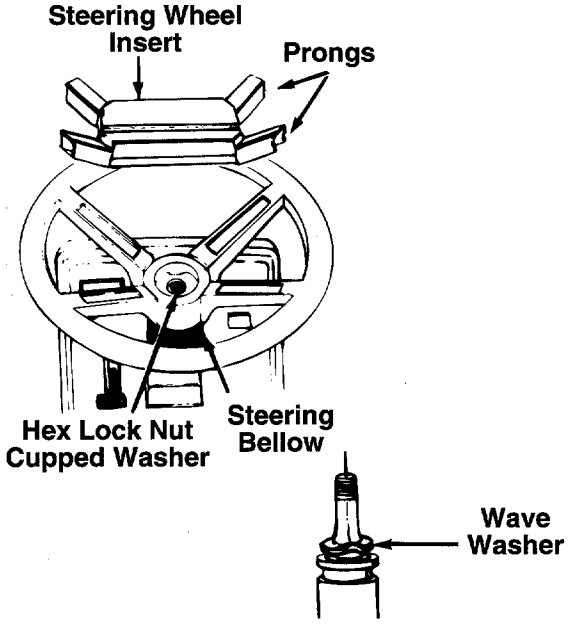


FIGURE 1.

IMPORTANT: After assembly, service engine with gasoline, and check oil level as instructed in the separate engine manual. Do not overfill.

STEERING WHEEL INSTALLATION (See Figure 1)

1. Remove packing material (if any) which is over the end of the steering shaft. Remove the hex lock nut and cupped washer from the end of the steering shaft. **Do not remove** the wave washer.
2. Attach one end of the steering bellow to the steering wheel.
3. Position the front wheels of the tractor so they are pointing straight forward.
4. Place the steering wheel (with steering bellow attached) over the steering shaft extending through the dash, positioning steering wheel as desired.
5. Place the washer with the cupped side down over the steering shaft. Secure with hex lock nut. See figure 1.
6. Snap the steering wheel insert over the four spokes of the steering wheel.

BATTERY INFORMATION

WARNING

A. Battery acid must be handled with great care as contact with it can burn and blister the skin. It is also advisable to wear protective clothing (goggles, rubber gloves and apron) when working with it.*

B. Should battery acid accidentally splatter into the eyes or onto the face, rinse the affected area immediately with clean cold water. If there is any further discomfort, seek prompt medical attention.

C. If acid spills on clothing, first dilute it with clean water, then neutralize with a solution of ammonia/water or baking soda/water.

D. Since battery acid is corrosive, do not pour it into any sink or drain. Before discarding empty electrolyte containers, rinse them with a neutralizing solution.

E. NEVER connect or disconnect charger clips to battery while charger is turned on as it can cause sparks.

F. Keep all lighted materials (cigarettes, matches, lighters) away from the battery as the hydrogen gas generated during charging can be combustible.

G. As a further precaution, only charge the battery in a well-ventilated area.

***Always shield eyes, protect skin and clothing when working near batteries.**

DANGER

Battery contains sulfuric acid. Refer to warning at right. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs or vegetable oil. Call physician immediately. EYES: Flush with cool water for at least 15 minutes, then get prompt medical attention.

Since batteries produce explosive gases, keep all lighted materials (cigarettes, lighters, matches, etc.) away. Be sure to charge battery only in well-ventilated areas. Make certain venting path of battery (drain tube) is always open.

KEEP BATTERIES
OUT OF THE REACH OF CHILDREN!

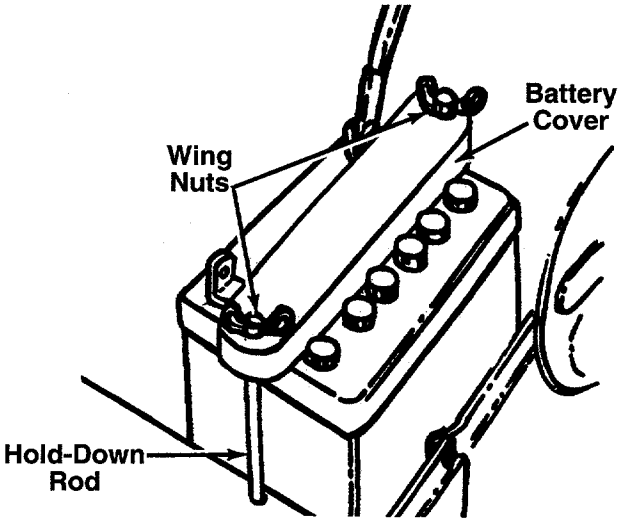


FIGURE 2.

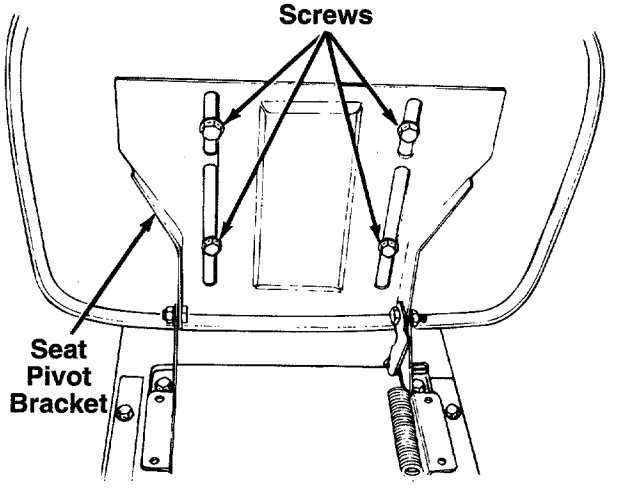


FIGURE 3.

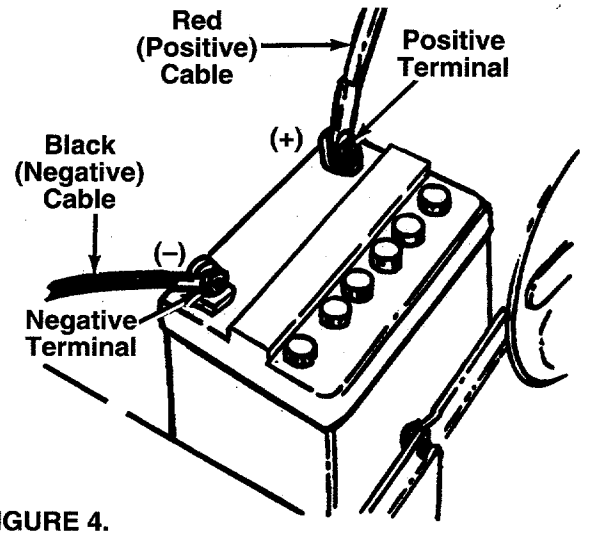


FIGURE 4.

ACTIVATING AND CHARGING THE BATTERY

Do not activate battery (fill with battery acid) until battery is actually placed in service. Be certain to read previous warnings before activating the battery.

1. Lift the hood of the tractor. Remove the wing nuts from the hold-down rods which secure the battery cover to the battery. See figure 2. Remove the battery cover.
2. Disconnect the positive cable from the positive terminal. Save the hardware. Lift the battery from the tractor.
3. Activate the battery as instructed in the "Quick Start" brochure included with the battery fluid. **Read instructions carefully.**

NOTE: *You can continue assembling the lawn tractor while battery is standing for 30 minutes (after filling with acid), and later while you are charging the battery.*

IMPORTANT: To obtain the maximum life from your battery, it MUST BE CHARGED prior to initial use.

CHARGE THE BATTERY after the 30 minute standing period. Use a 12-volt automotive type battery charger to SLOW CHARGE THE BATTERY (DO **NOT** FAST CHARGE). DO NOT use a charger rated higher than 10 amps. **Charge the battery** for a minimum of 2 hours or until battery is fully charged.

NOTE: *The information listed above is for initial charge. Refer to the Maintenance section of this manual for battery care and charging instructions to obtain the maximum life from your battery.*

IMPORTANT: After the battery has been charged, add only distilled water. DO NOT add acid.

ASSEMBLING THE SEAT

Remove the screws which secure the seat to the seat pivot bracket. Turn the seat around and place in position against the seat pivot bracket, lining up the slotted holes in the pivot bracket with the holes in the seat. Select desired position for the seat, and secure with screws. See figure 3.

INSTALLING THE BATTERY

NOTE: *The positive battery terminal is marked Pos. (+). The negative battery terminal is marked Neg. (–).*

1. Raise the hood. Place the battery on the battery plate with the positive battery terminal (+) towards the **rear** of the tractor.
2. Attach the positive cable (heavy red wire) to the positive battery terminal (+) with hex bolt and hex nut previously removed. See figure 4. Slide the rubber boot down over the positive terminal.
3. Remove the hex bolt and nut from the negative cable (heavy black wire). Attach the negative cable to the negative battery terminal (–) with the bolt and nut.

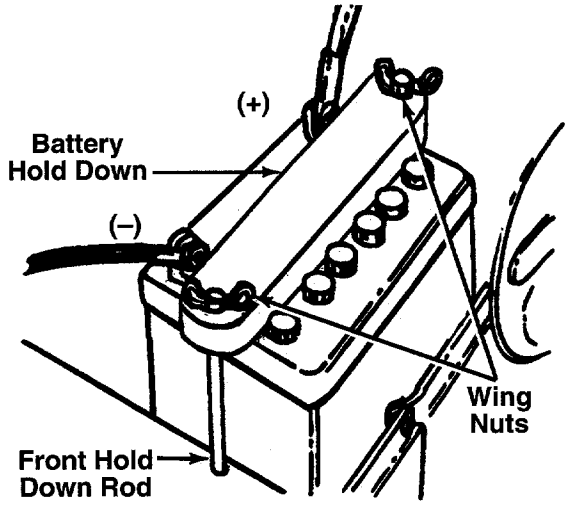


FIGURE 5.

4. Place the black plastic battery cover in position over the hold-down rod. Secure with wing nut.
5. Secure the other side of battery cover in the same manner. See figure 5.
6. If the battery has a battery drain tube, route the battery drain tube through the hole provided in the lower frame.

THREE POINT HITCH ASSEMBLY

The three point hitch is needed for the rotary tiller, disc, cultivator and moldboard plow. To use the mowing deck, snow thrower or snow blade, it is not necessary to install the three point hitch.

1. Raise the lift shaft assembly until the hole lines up with the slot in the push bar assembly. See figure 6.
2. Secure with clevis pin and hairpin clip provided in the hardware pack.
3. Assemble the two draft bars to the link clevis pins in the frame of the tractor with two hairpin clips.

NOTE: *Refer to figure 9 to determine right and left hand draft bars.*

4. Thread the ferrule onto the clevis screw until approximately a half inch of thread is showing above the ferrule.
5. Attach the ferrules to the rear lift shaft assembly and secure with two hairpin clips.
6. Attach the lower end of the clevis screw to the draft bars with the two clevis pins and hairpin clips.
7. Screw the two halves of the center turnbuckle together. Attach either end to any hole in the hitch bracket mounted in the center of the rear frame of the tractor with a clevis pin and hairpin clip. See figure 7.
8. Screw one hex nut all the way on to each of the hook bolts.
9. Insert the hook bolt through the inside of the draft bars. Secure with a second nut. Do not tighten.
10. Fasten the chains to the hooks welded on the draft bars. Cross the chains over and attach to the opposite hook bolts. See figure 8.
11. Tighten the outside nuts on the hook bolts until there is approximately one inch of play in the center of the chains.

NOTE: *Pull the chains to make them as tight as possible.*

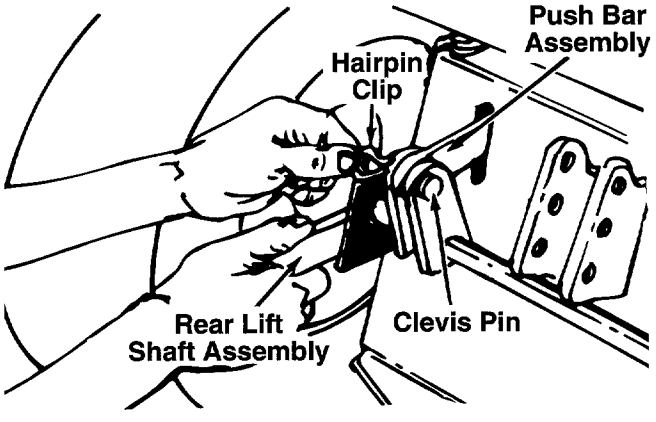


FIGURE 6.

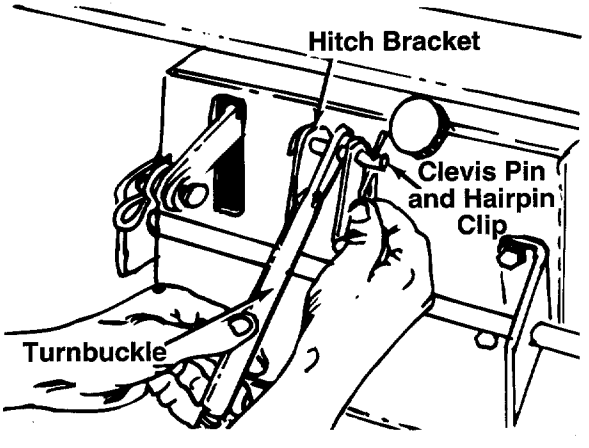


FIGURE 7.

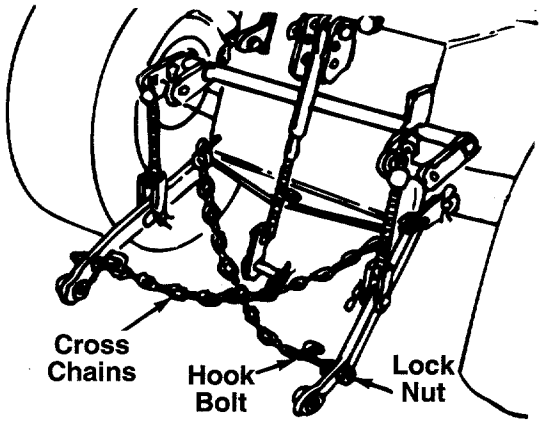


FIGURE 8.

FINAL ASSEMBLY

Make certain all nuts and bolts are tightened securely.

TIRE PRESSURE

The tires on your unit may be over-inflated for shipping purposes. Reduce the tire pressure before operating the unit. Recommended operating tire pressure is approximately 12 p.s.i.

WARNING: Maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

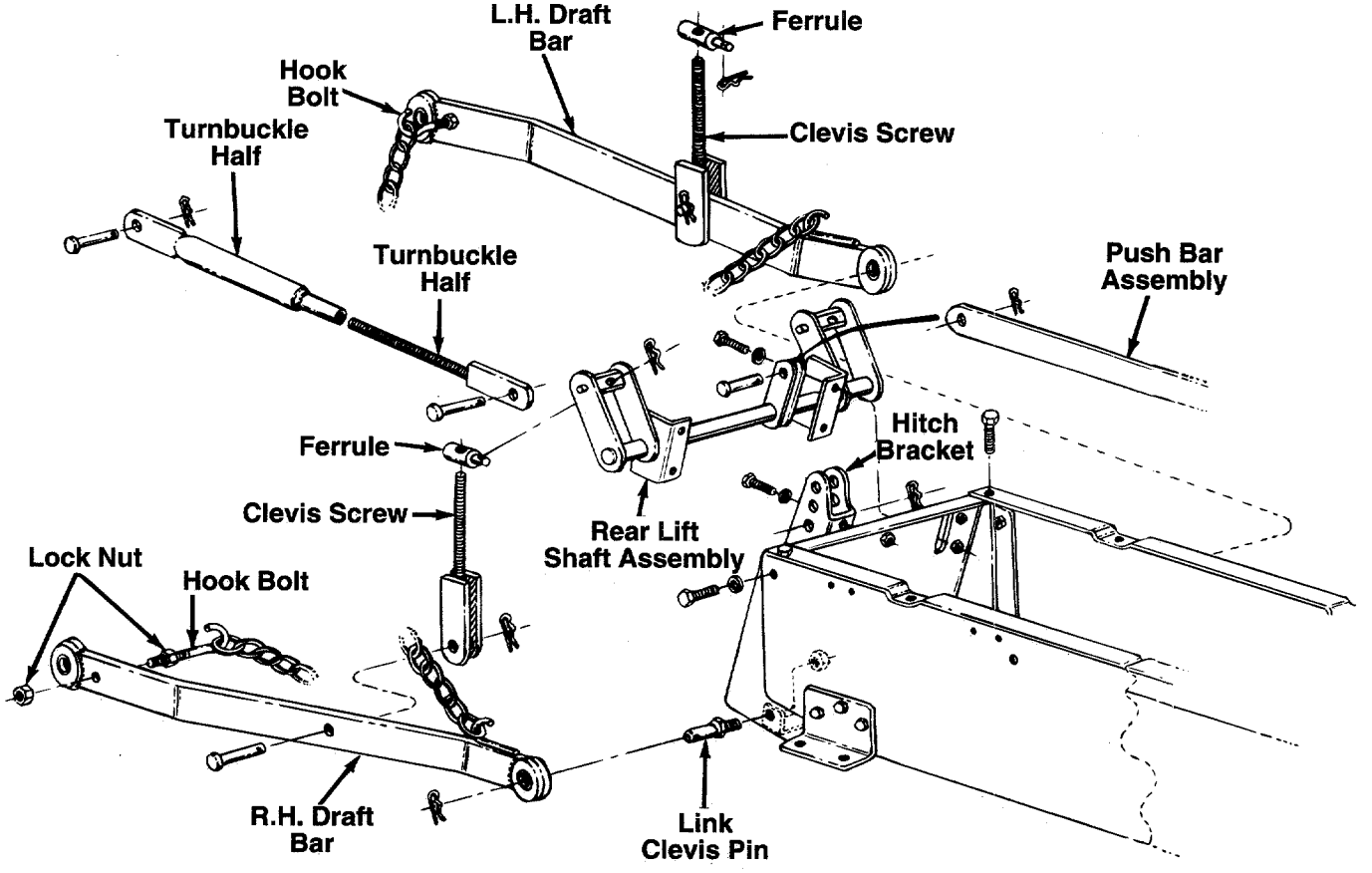


FIGURE 9.

CONTROLS

THROTTLE CONTROL

The throttle control is located on the right side of the dashboard and is used to regulate the engine speed. See figure 10. The engine should be operated from 3/4 to full throttle "FAST" when operating any equipment that uses the tractor engine as a source of power such as the cutting deck, snow thrower or rotary tiller.

CHOKE CONTROL

The choke control is located on the left side of the dashboard and is operated manually. Details for the choke operation are covered in the separate engine manual packed with your unit. See figure 10.

IGNITION SWITCH

The ignition switch is located on the left side of the dashboard. Turn the key to the START position to start the engine. When the engine is running, leave the key in the ON position. To stop the engine, turn the key to the OFF position. See figure 10.

WARNING: Remove the key from the tractor when the tractor is not in use to prevent accidental starting.

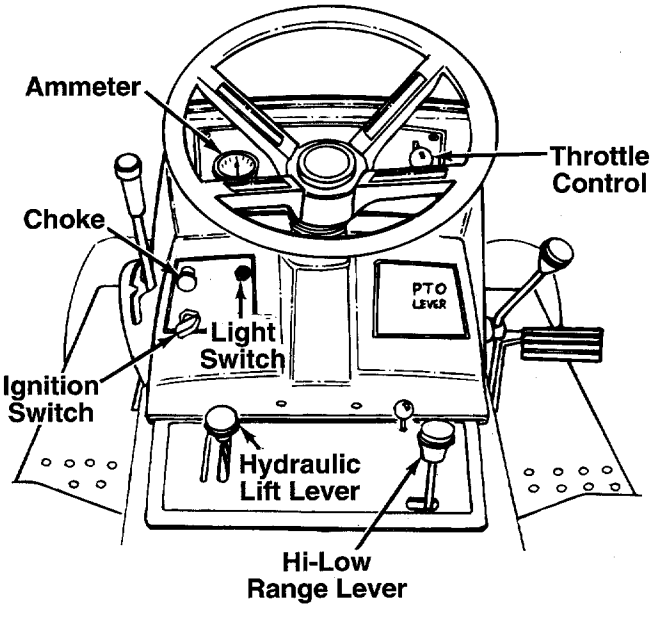


FIGURE 10.

LIGHT SWITCH

The head lamps are operated by pushing the light switch located on the dashboard. The head lamps will only operate when the engine is running. See figure 10.

AMMETER

The ammeter registers the rate of battery charge or discharge. The ammeter will register on the discharging side when starting the engine. It should register on the opposite side (charging) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling, the ammeter will not show a charge. See figure 10.

HIGH/LOW AXLE RANGE

Your tractor is equipped with a two speed rear axle for greater versatility. See figure 10. The LOW range is used when operating the rotary tiller, moldboard plow and should also be used when extra power is required.

HIGH range operation is for normal loads, grass cutting and normal use.

LOW Range (0-4 mph)
HIGH Range (0-8 mph)

The Axle Range Lever must be in either the HIGH or LOW range position. The tractor will not move if it is in the center position.

NOTE: *When pushing the tractor by hand with the engine shut off, place the Axle Range Lever between the HIGH and LOW position. The hydrostatic pump will not rotate and the tractor will be easier to push.*

HYDRAULIC LIFT LEVER

The hydraulic lift lever is used to raise or lower all of the tractor attachments. Move the lever forward to lower the attachment. Move the lever backwards to raise the attachment. See figure 10.

Located next to the hydraulic lift lever is the lift indicator that registers the approximate position of the attachments.

POWER TAKE-OFF OPERATION (PTO)

There are two PTO locations. The front PTO operates the snow blower. The rear PTO operates the rotary mower and rotary tiller.

The PTO is operated by the PTO lever, located on the right side of the tractor. See figure 11. When the PTO lever is forward, the PTO is engaged.

Be sure dust cap is installed on front PTO when snow blower is not in use.

NOTE: *The PTO lever **must** be in the disengaged position (back) when starting the engine, when shifting into reverse and if the operator leaves the seat.*

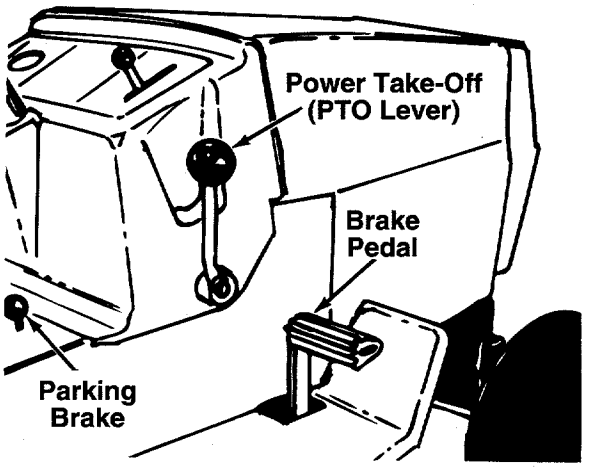


FIGURE 11.

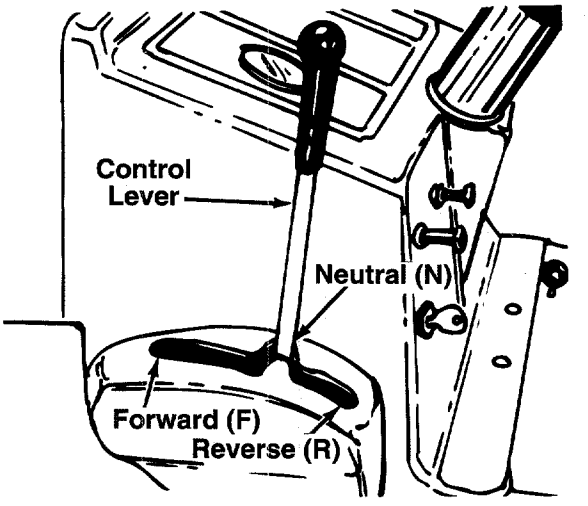


FIGURE 12.

BRAKE PEDAL

The brake pedal is located on the right side of the tractor. Depressing the brake pedal operates the brake. It is used for emergency stopping only. When you depress the brake pedal, the control lever will return close to the NEUTRAL position. The control lever is used for normal stopping. See figure 11.

NOTE: *The brake pedal must be depressed to start the engine.*

PARKING BRAKE

To set the parking brake, depress the brake pedal and lift up the parking knob. Slowly release the brake pedal until it holds the parking brake knob in the up position. To release the parking brake, depress the brake pedal. See figure 11.

NOTE: *The parking brake must be set if the operator leaves the seat with the engine running.*

CONTROL LEVER (Hydrostatic)

The control lever is used to regulate the ground speed of the tractor. Moving the control lever to its extreme position makes the tractor travel faster. Moving the control lever forward (F) moves the tractor forward. Moving the control lever backwards (R) reverses the tractor. See figure 12.

To increase rear wheel torque (pulling power), move the control lever towards the NEUTRAL position. The tractor responds similar to shifting to a lower gear with a gear type transmission.

The control lever is used for normal slowing down and stopping by moving the control lever towards NEUTRAL (N). Additional braking may be obtained by moving the control lever gradually in the opposite direction of travel. The control lever is especially useful when rotary tilling hard or rough ground.

OPERATION

WARNING

AVOID SERIOUS INJURY OR DEATH

- GO UP AND DOWN SLOPES, NOT ACROSS. • AVOID SUDDEN TURNS.
- DO NOT OPERATE THE UNIT WHERE IT COULD SLIP OR TIP.
- IF MACHINE STOPS GOING UPHILL, STOP BLADE(S) AND BACK DOWNHILL SLOWLY.
- DO NOT MOW WHEN CHILDREN OR OTHERS ARE AROUND.
- NEVER CARRY CHILDREN.
- LOOK DOWN AND BEHIND BEFORE AND WHILE BACKING.
- KEEP SAFETY DEVICES (GUARDS, SHIELDS, AND SWITCHES) IN PLACE AND WORKING.
- REMOVE OBJECTS THAT COULD BE THROWN BY THE BLADE(S).
- KNOW LOCATION AND FUNCTION OF ALL CONTROLS.
- BE SURE BLADE(S) AND ENGINE ARE STOPPED BEFORE PLACING HANDS OR FEET NEAR BLADE(S).
- BEFORE LEAVING OPERATOR'S POSITION, DISENGAGE BLADE(S), PLACE THE SHIFT LEVER IN NEUTRAL, ENGAGE BRAKE LOCK, SHUT ENGINE OFF AND REMOVE KEY.

READ OPERATOR'S MANUAL

GAS AND OIL FILL-UP

Check the oil level and add if necessary. Service the engine with gasoline as instructed in the separate engine manual packed with your tractor. **Read instructions carefully.**

IMPORTANT: Your tractor is shipped with oil; however you **must** check the oil level before operating. Be careful not to overfill.

Check the oil level in the hydrostatic transmission. Refer to Lubrication section on page 15.

WARNING: Never fill fuel tank indoors, with engine running or while engine is hot.

STARTING THE ENGINE

IMPORTANT: This unit is equipped with a **safety interlock system** for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the brake pedal is depressed and the PTO lever is in the disengaged position. In addition, the PTO lever must be in the disengaged position when the unit is put into reverse or the engine will shut off. If the operator leaves the seat with the PTO lever engaged and/or without setting the parking brake, the engine will shut off.

WARNING: Do not operate the tractor if the interlock system is malfunctioning because it is a safety device, designed for protection.

1. Place the PTO lever in the disengaged (back) position.
2. Set the High/Low Range Lever in either the high or low range.
3. Depress the brake pedal and set the parking brake.
4. Place the shift lever in the NEUTRAL position.
5. Set the throttle control in the FAST position.
6. Pull out the choke control (a warm engine may not require choking).
7. Turn the ignition key to the right to the START position. After the engine starts, release the key. It will return to the ON position.
8. Slowly push in the choke as the engine warms up.

STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position. Remove the key to prevent accidental starting.

IMPORTANT: If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the unit for any damage, and repair the damage before restarting and operating the mower.

NOTE: *If any problems are encountered, refer to the Trouble Shooting Guide on page 19.*

OPERATING THE TRACTOR

1. Start the engine as instructed previously.
2. Move throttle control to 3/4 or full throttle to prevent strain on the engine and to operate attachments.
3. Release the parking brake by depressing the brake pedal. Release brake pedal and move the hydrostatic control lever into either the forward or reverse position.

WARNING: Look to the rear before backing up.

4. The brake pedal is used for emergency stopping only. Use the control lever to stop normally. When the brake pedal is depressed, the control lever will return close to the NEUTRAL position so the tractor brake will stop the tractor. However, the tractor may creep either forward or backward when the brake pedal is released.
5. The cutting blades (or other attachment) may be engaged while the tractor is moving or standing still. DO NOT engage the cutting blades abruptly, which may cause the engine to stall.

WARNING: Keep feet and hands away from the discharge opening, the blades or any part of the deck.

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage tractor or engine. For best results and to insure more even grass distribution, do not mow when lawn is excessively wet.

WARNING: Before leaving the operator's position for any reason, disengage the blades, place the shift lever in neutral, engage the parking brake, shut engine off and remove the key.

When stopping the unit to empty a grass bag, etc., follow the instructions above. This procedure will also eliminate "browning" the grass, which is caused by hot exhaust gases from a running engine.

ADJUSTMENT OF UNDERCARRIAGE

When using any of the rear mounted attachments such as the rotary tiller or moldboard plow, the undercarriage must be locked in the raised position. See "Undercarriage Locks" in the Adjustment section of this manual for instructions.

ADJUSTMENTS

LEVELING THE DECK (Optional Equipment)

With unit on hard, level surface, measure the distance from the bottom edge of the center of the left side of deck to the ground. Measure the same distance just behind the chute area on the right side of the deck. Or, place the blades in a straight line, and measure the distance from the outside edge of the blade tips to the ground.

If adjustment is needed, proceed as follows.

1. Remove the hairpin clip and flat washer from the bottom of the adjustable lift link on the right side of the deck. Pull the adjustable lift link out of the lift arm link.
2. Turn the adjustable lift link up or down as necessary to level the deck. Usually only one or two turns are needed.

3. Insert the end of the adjustable lift link into the hole in the lift arm link. Recheck the adjustment as instructed above. Readjust if necessary.
4. When deck is level, secure the end of the adjustable lift link with flat washer and hairpin clip.

NEUTRAL ADJUSTMENT FOR THE HYDROSTATIC CONTROL LEVER (See Figure 13)

If the hydrostatic control lever does not return to the neutral notch on the hydrostatic control lever guide when the brake pedal is depressed make the following adjustment:

1. Loosen the shoulder bolt and lock nut on the neutral control slide, using a 5/8" and 1/2" wrench.
2. Depress the brake pedal and set the parking brake. With the aid of another person, hold the brake pedal all the way down.
3. Move the hydrostatic control lever into the neutral notch.
4. Tighten the shoulder bolt and lock nut on the neutral control slide.

NOTE: *If the tractor creeps while the hydrostatic control lever is in NEUTRAL, the controls at the hydrostatic transmission must be adjusted.*

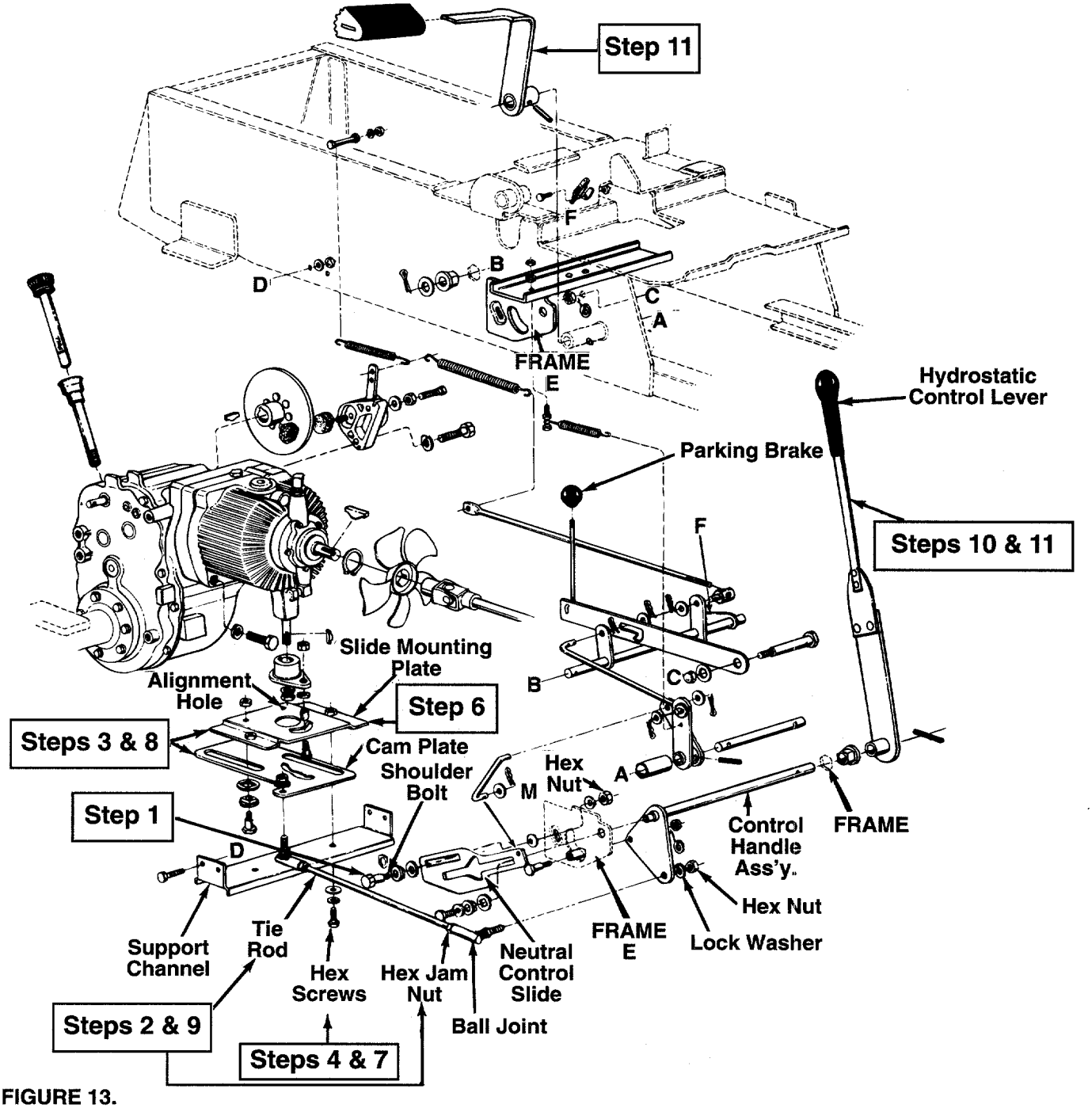


FIGURE 13.

HYDROSTATIC TRANSMISSION CONTROL ADJUSTMENT

1. Block the rear of the tractor up so both rear wheels are off the ground.
2. Loosen the hex jam nuts on the tie rod at both ball joints.
3. Move the cam plate forward or backward by turning the tie rod clockwise or counterclockwise until the alignment hole in the slide mounting plate and cam plate line up.
4. Loosen (do not remove) the two hex screws which hold the support channel to the cam plate.
5. Start the engine and run at full throttle.

NOTE: *Proper adjustment of the hydrostatic transmission control cannot be obtained unless the engine is running at full throttle. Running the engine at a lower rpm will result in an inaccurate adjustment of the control.*

6. Adjust for neutral by rotating the slide mounting plate until no movement of the rear wheels can be detected.
7. Retighten the two hex screws in the support channel which were loosened in step 4.
8. Recheck the hole alignment in the cam plate and slide mounting plate for proper positioning as instructed in step 3. Readjust if necessary.
9. Tighten both jam nut on the tie rod ends.
10. With the unit still on blocks, start the engine and run at full throttle. With the parking brake released, move the control lever to the full forward position. Return the control lever to the neutral position. The wheels should stop moving. Proceed in the same manner for reverse. When moving the control lever to either the forward or reverse position, the wheels must stop moving. If the wheels fail to stop, repeat steps 2 through 10.
11. After the proper adjustment is reached, and the wheels stop as indicated, move the control lever to the full forward position. Fully depress the brake pedal and release. At this time, the control lever should return to the neutral position, and the wheels should stop. Repeat this procedure, this time moving the control lever to the reverse position.

    When the control lever is moved by handle to the neutral position from either forward or reverse, the wheels should stop moving. The wheels should also stop moving if the control lever is in either forward or reverse and the brake pedal is depressed.

REAR WHEEL TRACK ADJUSTMENT

The rear wheels may be adjusted wider for more stability by reversing the wheels and rims on the hubs.

With the rear wheels in the narrow position, their outside is even with the outside of the front wheels. With the rear wheels in the wide position, their inside is even with the outside of the front wheels.

Use this chart to determine the rear wheel setting.

ATTACHMENT	MODEL NO.	WHEEL SET
50" Mowing Deck	190-993	N
12" Moldboard Plow	190-920	W/N
Tandem Disc Harrow	190-921	N
Spring Tooth Cult.	190-922	N
54" Snow Blade	190-985	N
45" Snow Thrower	190-990	N
38" Rotary Tiller	190-960	N

N—Narrow W—Wide

Rear Wheel Chains	OEM-190-965
75 pound (each) Wheel Weights	OEM-190-784

HYDRAULIC LIFT VALVE ADJUSTMENT

The valve is located under the left side of the tractor frame under the hydraulic lift lever. See figure 14.

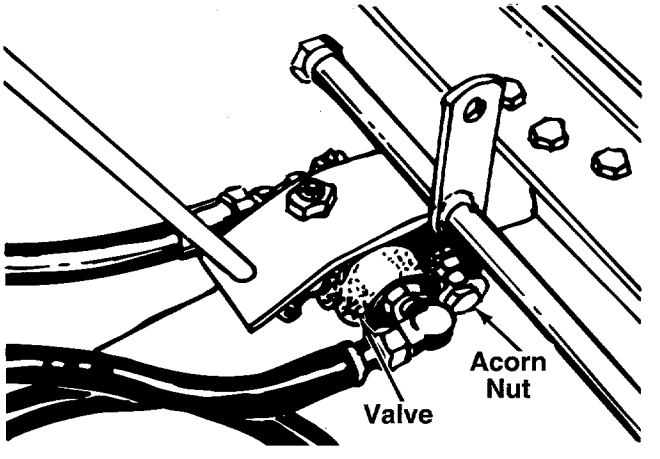


FIGURE 14.

The hydraulic lift valve is adjustable. Before making adjustments to the valve, be sure the engine is running at a maximum speed of 3600 RPM. If the hydraulic lift will not raise your attachments, especially the heavier ones, you can check the pressure. The pressure has been pre-set at the factory to 700 p.s.i. The equipment being used should be attached to the tractor while adjusting the lift valve.

Use a 1000 p.s.i. pressure gauge. Insert a "T" fitting between the charge pump on the hydrostatic transmission and the valve.

1. Start the engine and run at full throttle.
2. Check the engine speed with a tachometer. Engine should be running at 3500 to 3600 RPM.
3. Move the hydraulic lift lever all the way either direction and hold it until the relief valve opens. The gauge should read 700 p.s.i.
4. If necessary, adjust relief valve as follows. Do not under any circumstances exceed 700 p.s.i.
5. Remove the acorn nut and washer. See figure 16.

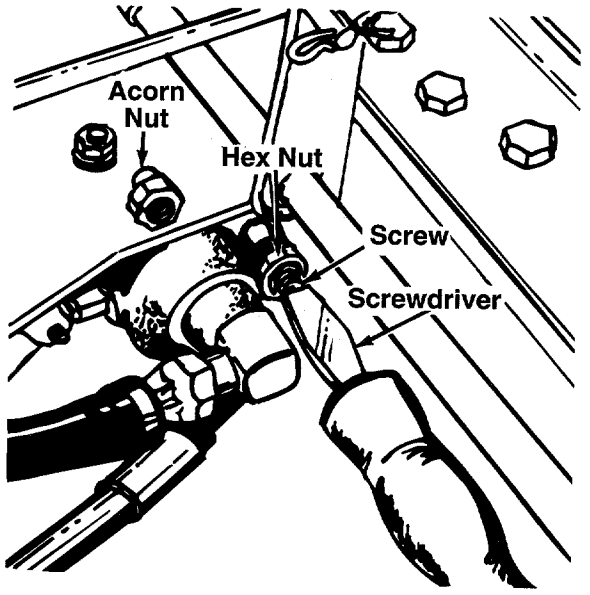


FIGURE 15.

6. Back off the lock nut at least three complete turns.
7. Turn the screw one complete turn in.
8. Tighten the lock nut.
9. Reassemble acorn nut and tighten.
10. Test the operation of the lift valve with the attachment on the tractor and the tractor engine running at full throttle.
11. If necessary, repeat the above steps.

BRAKE ADJUSTMENT

During normal operation of this machine, the brakes are subject to wear and will require periodic examination and adjustment.

WARNING: Do not adjust the brake while the engine is running. Be sure to block the wheels of the tractor before making the brake adjustment.

The brake is located on the left side of the transaxle. The adjustment access hole is above the left rear axle mounting bracket. See figure 16.

To adjust:

1. Loosen the lock nut with an 11/16" wrench.
2. With a 7/16" socket and extension, tighten the center bolt until the pads are pushed against brake disc.
3. Back off the center bolt one half turn and tighten the lock nut.
4. Test the brake operation.

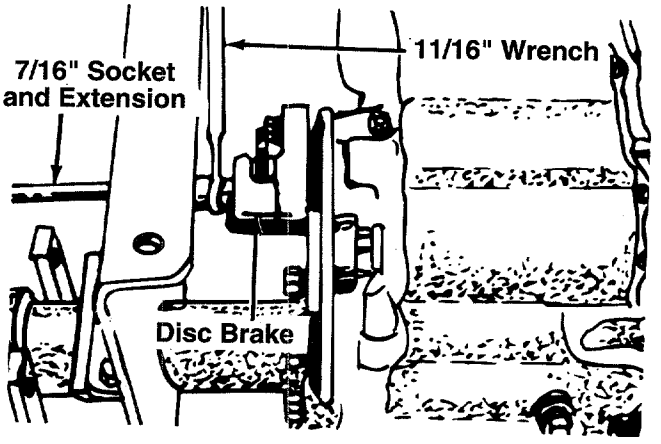


FIGURE 16.

UNDERCARRIAGE LOCKS

The maximum down position can be set on the undercarriage for the mowing deck. See figure 17. There are six positions. This adjustment should be used with the deck roller adjustment so the mowing deck is always cutting parallel to the ground. To change the locks, remove the hairpin cotter, clevis pin and spacer and install in the desired hole. Both locks must be adjusted in the same position.

When setting the cutting height, lower the deck with the hydraulic lift until the undercarriage bottoms out against the locks.

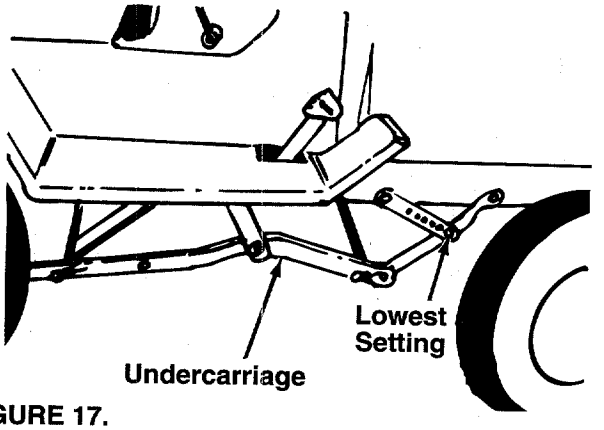


FIGURE 17.

The undercarriage locks are also used to hold the undercarriage in the completely raised position when using any of the rear mounted attachments or to prevent the undercarriage from moving up and down. See figure 18.

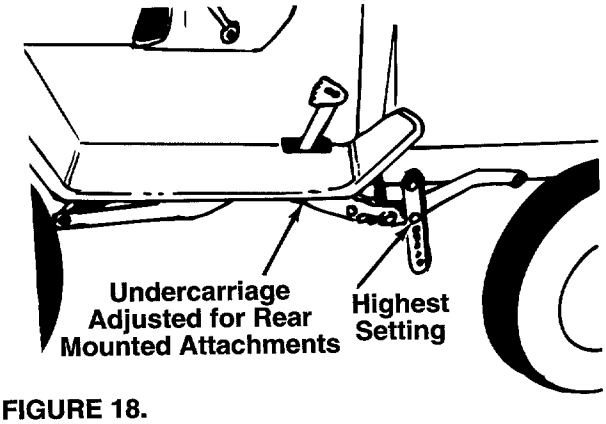


FIGURE 18.

CARBURETOR ADJUSTMENT

WARNING: If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load. To adjust the carburetor refer to the separate engine manual packed with your tractor.

NOTE: *A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean and attached to the carburetor before adjusting carburetor.*

PTO ADJUSTMENT

The PTO cable can be adjusted at either end. To adjust, loosen the nut on the inside and tighten the nut on the outside to compensate for cable stretch. Adjust until the idler depresses the safety switch plunger within 1/8" of bottoming out in the switch when the PTO is in the OFF position. See figures 19 and 25.

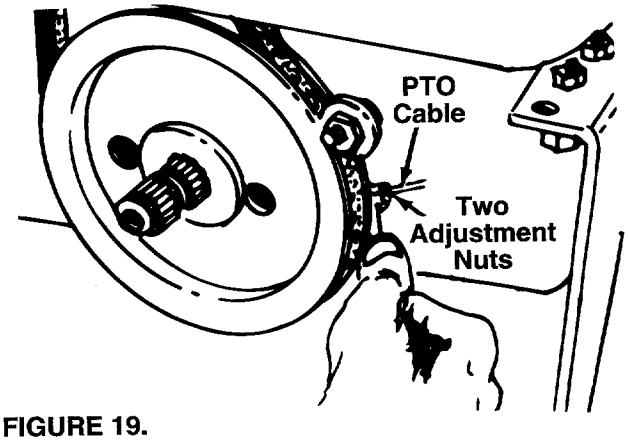


FIGURE 19.

LUBRICATION

WARNING: Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn tractor.

HYDROSTATIC SYSTEM

The oil level for the hydrostatic transmission, transaxle and hydraulic lift system can be checked at one location. See figure 20. Check the oil level every 8 hours of operation.

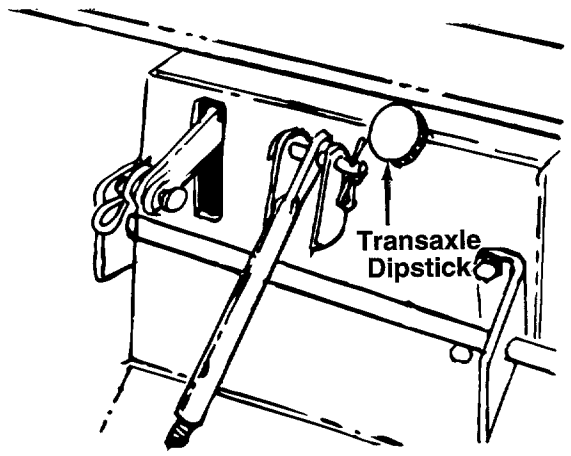


FIGURE 20.

Check oil level when the hydrostatic oil is cold. Before checking the oil level, clean the area around the dipstick hole to prevent the entry of dirt. Unscrew the dipstick and remove. The oil level should be maintained at the FULL mark.

The transmission has been filled at the factory with 20W straight viscosity engine oil (rated SE, CC or SD). Use only this type of oil when adding fluid to the transmission. When the fluid is changed, you may use any of the following fluids; however, **do not mix** different types of fluid in the transmission.

1. Mobil Fluid 300
2. Texaco TL-2209
3. Dexron B (General Motors)
4. M2C-33F and M2B-41A (Ford Motor)
5. Hy-Tran (International Harvester)
6. 10W Straight Viscosity SE, CC or CD Rated Engine Oil

**7. 20W Straight Viscosity SE, CC or SC Rated Engine Oil

8. 30W Straight Viscosity SE, CC or CD Rated Engine Oil

**Preferred.

NOTE: *Never use a multi-viscosity oil.*

Change oil and filter initially after twenty hours of operation (refer to next section); thereafter, change every 100 hours or once a year.

OIL FILTER

A full flow replaceable oil filter, located in the oil lines under the left side of the frame, should be replaced initially after twenty hours of operation. Thereafter, replace every 100 hours for commercial or industrial applications and yearly for normal usage. It can be removed by turning it counterclockwise by hand. Use Fram filter number PH-16; order part number 727-0162. See figure 21.

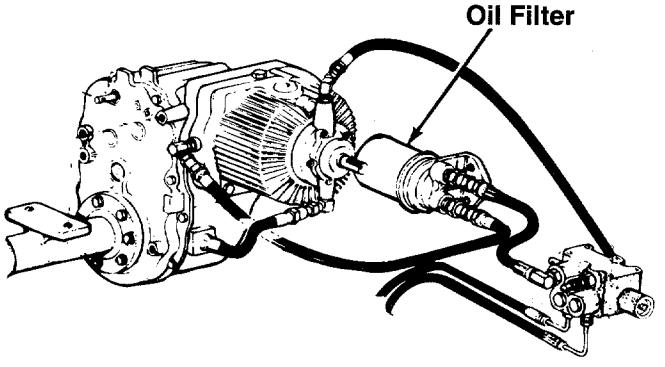


FIGURE 21.

STEERING GEARS

Wipe off old grease and dirt from steering gears. After every 25 hours of operation, place an automotive multi-purpose grease in the teeth of the segment and pinion gears. See figure 22.

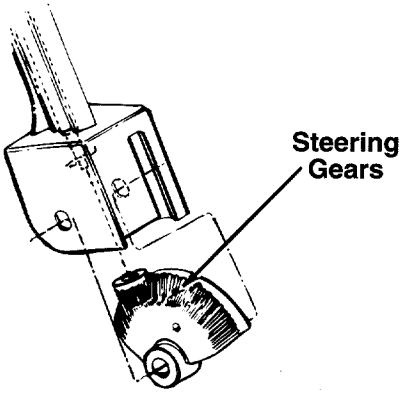


FIGURE 22.

BRAKE PEDAL

Lubricate with a grease gun after every 25 hours of operation. Use automotive multi-purpose grease.

KING PINS

Lubricate king pins with a grease gun after every 25 hours of operation (one on each side of the tractor). Use automotive multi-purpose grease. See figure 23.

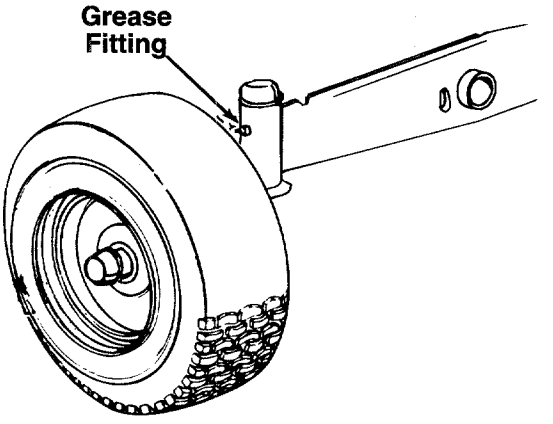


FIGURE 23.

PTO LEVER

Lubricate PTO lever with a grease gun after every 25 hours of operation. Use an automotive multi-purpose grease.

MAINTENANCE

WARNING: Disconnect the spark plug wire and ground against the engine before performing any adjustments, repairs or maintenance.

TROUBLE SHOOTING

Refer to the chart on page 19 for trouble shooting information.

ENGINE

Refer to the separate engine manual for engine maintenance instructions.

Maintain **engine oil** as instructed in the separate engine manual packed with your unit. **Read and follow instructions carefully.**

Service **air cleaner** every 10 hours under normal conditions. Clean every few hours under extremely dusty conditions. To service the air cleaner, refer to the separate engine manual packed with your unit.

The **spark plugs** should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specifications.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your authorized engine service dealer.

POWER TAKE-OFF (PTO) BELT REMOVAL

1. Take off the front PTO belt guard assembly by removing four hex screws. See figure 24.

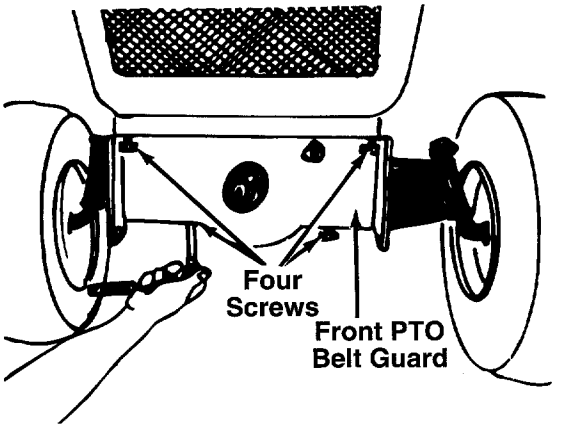


FIGURE 24.

2. Put the PTO lever in the OFF position.
3. Loosen two screws on inner belt guard. See figure 25.

NOTE: *Figure 25 is shown with grille removed for clarity.*

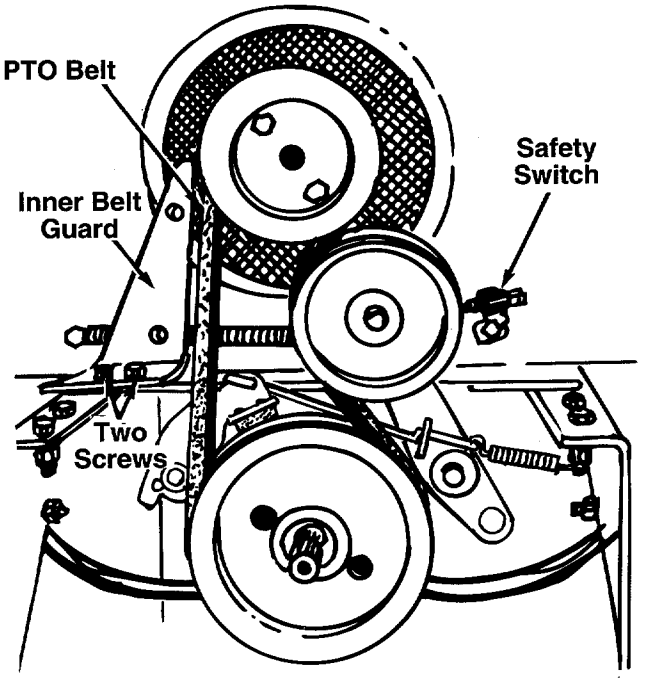


FIGURE 25.

4. Remove V-belt. Reassemble using a new O.E.M. V-belt, part number 754-0234.

WHEEL ALIGNMENT

The front wheels should toe-in approximately 1/8".

To adjust the toe-in, loosen the hex jam nut, remove the hex nut and lock washer. Lift the tie rod end out of the hole in the steering arm. Screw the tie rod ends in or out as necessary. See figure 26.

Reassemble the tie rod end after the correct alignment is made.

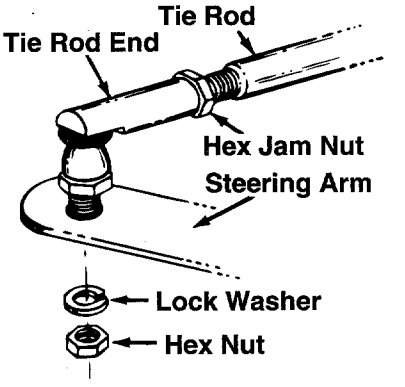


FIGURE 26.

Dimension "B" should be approximately 1/8" less than Dimension "A." See figure 27. To increase Dimension "B," screw tie rod into tie rod end. To decrease Dimension "B," unscrew tie rod from tie rod end. Reassemble tie rod. Check dimensions. Readjust if necessary.

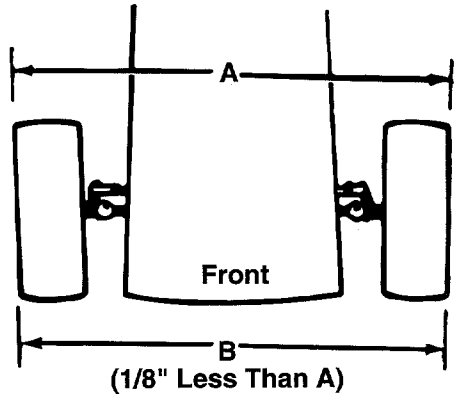


FIGURE 27.

SIDE PANELS

The right and left side panels can be removed for maintenance or attaching accessories. To remove, turn the four screws in the corners a 1/4 turn to the left and remove. See figure 28.

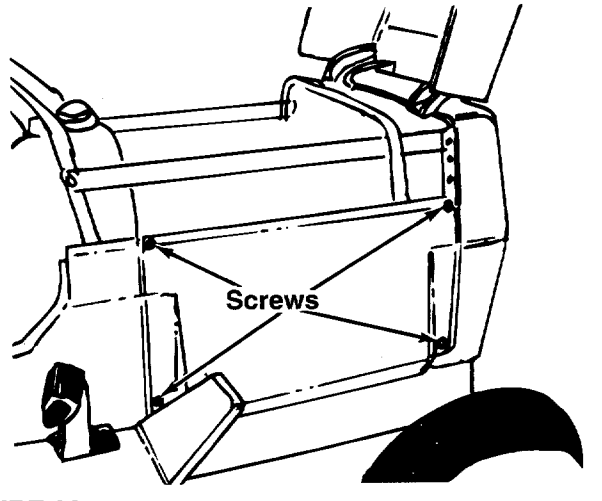


FIGURE 28.

DRIVE SHAFT REMOVAL

1. Loosen the square head set screw on the front universal joint. See figure 29.

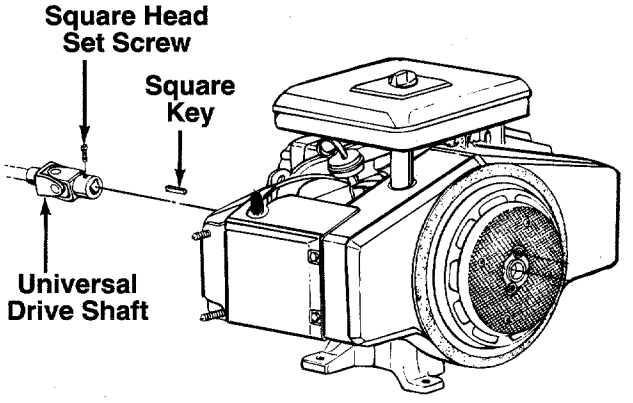


FIGURE 29.

2. Slide the drive shaft assembly forward as far as it will go. The rear universal joint can be removed from the input shaft of the hydrostatic transmission. See figure 30.
3. Remove the drive shaft assembly from the tractor.

NOTE: *There is a square key at the engine crankshaft and a hi-pro key at input shaft of transmission. Do not lose.*

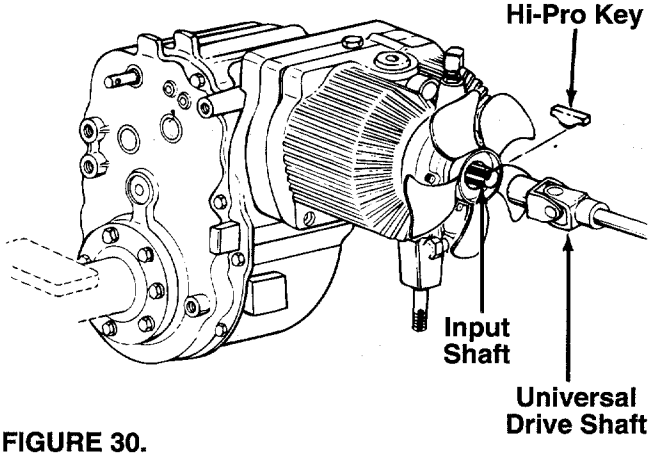


FIGURE 30.

BATTERY CARE AND MAINTENANCE

CHECK FLUID LEVEL

Check fluid level inside each cell of the battery every two weeks and before and after charging. Always keep level just below the split rings.

Add only distilled water. Never add additional acid or any other chemicals to the battery after initial activation.

NOTE: *After operating the lawn tractor for a long period of time, check the fluid level in the battery as it can overheat and lose fluid.*

CHARGING THE BATTERY

The engine is equipped with an alternator which charges battery when tractor is operated. Under normal conditions, the battery only needs to be charged before, during and after off-season storage. Follow the instructions under "Off-Season Storage."

To charge the battery: Make certain fluid level in each cell is just below the split rings. Use a 12 volt automotive charger which is rated at 6 amps for an hour.

NOTE: *If you charge the battery at a lower AMP rate, use a hydrometer to make sure the battery is completely charged. The hydrometer should read 1.260 minimum. DO NOT CHARGE AT MORE THAN 6 AMPS.*

REMOVING / INSTALLING / JUMP STARTING

WARNING: When removing or installing the battery, follow these instructions to prevent the screwdriver from shorting against the frame.

Removing the Battery: Disconnect negative cable first, then positive cable.

Installing the Battery: Connect positive cable first, then negative cable.

Jump Starting

1. First, connect end of one jumper cable to the positive terminal of the good battery, then the other end to the positive terminal of the dead battery.
2. Connect the other jumper cable to the negative terminal of the good battery, then to the FRAME OF THE UNIT WITH THE DEAD BATTERY.

WARNING: Failure to use this procedure could cause sparking, and the gas in either battery could explode.

CLEAN THE BATTERY

Clean the battery by removing it from the unit and washing with a baking soda and water solution. If necessary, scrape the battery terminals with a wire brush to remove deposits. Coat terminals and exposed wiring with grease or petroleum jelly to prevent corrosion.

BATTERY FAILURES

Some common causes for battery failure are: incorrect initial activation, lack of water, adding chemicals other than water after initial activation, undercharging, overcharging, corroded connections, freezing. **These failures do not constitute warranty.**

TIRES

Recommended operating tire pressure is approximately 12 p.s.i. Maximum tire pressure under any circumstances is 30 p.s.i. Equal tire pressure should be maintained on all tires.

When installing a tire to the rim, be certain rim is clean and free of rust. Lubricate both the tire and rim generously. Never inflate to over 30 p.s.i. to seat beads.

WARNING: Excessive pressure (over 30 p.s.i.) when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, prepare for storage as follows.

1. Clean the engine and the entire unit thoroughly.
2. Lubricate all lubrication points. Wipe the entire machine with an oiled rag to protect the surfaces.
3. Refer to the engine manual for correct engine storage instructions. The engine must be completely drained of fuel to prevent gum deposits from forming on essential carburetor parts, fuel lines and fuel tanks.
4. **Charge battery fully.** The battery loses some of its charge each day when the unit is not used. NEVER store battery without a full charge. Recharge battery before returning to service or every two months, whichever occurs first.
5. When storing battery for extended periods, disconnect battery cables. Removing battery from unit is recommended.
6. Store unit in a clean, dry area. Do not store next to corrosive materials, such as fertilizer.

NOTE: *When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially any chains, springs, bearings and cables.*

TROUBLE SHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
ngine will not rank	Safety switch button not depressed	There are two switches in the starting circuit of your unit: the clutch pedal switch and the deck lift lever switch. Make certain the actuator is fully depressing the buttons on each switch.
	Battery installed incorrectly	The battery must be installed with negative terminal attached to black ground wire. Negative terminal is identified at the post by "NEG", "N" or "-". The positive terminal, identified by "POS", "P" or "+", must be attached to the big red wire which goes to the solenoid.
	Battery is dead or weak	Check fluid level in battery. If fluid is low, fill to just below split rings with water. Charge with taper charger until fully charged.
	Blown fuse or circuit breaker	Replace fuse automotive type fuse. Fuses seldom fail without a reason. The problem must be corrected. Check for loose connections in the fuse holder. Replace fuse holder if necessary. A dead short may be in the cranking or charging circuit where the insulation may have rubbed through and exposed the bare wire. Replace the wire or repair with electrician's tape if the wire strands have not been damaged. Note: Look for a wire pinched between body panels, burned by the exhaust pipe or muffler or rubbed against a moving part.
	Engine ground wire loose	Engine should have a black ground wire running from engine to frame or mounting bolt.
ngine cranks ut will not start	Throttle or choke not in starting position	Check owner's guide for correct position for throttle control and choke for starting.
	No spark to spark plug	Spark plug lead disconnected. Connect lead. Hold spark plug lead away from engine block about 1/8". Crank engine. There should be a spark. If not, have engine repaired at authorized engine service dealer. Faulty spark plug. To test, remove spark plug. Attach spark plug lead to spark plug. Ground the spark plug body against the engine block. Crank the engine. The spark plug should fire at the electrode. Replace if it does not.
	No fuel to the carburetor	Gasoline tank empty. Fill. Fuel line or in-line fuel filter plugged. Remove and clean fuel line. Replace filter if necessary.
	Air filter dirty	If the air cleaner is dirty, the engine may not start. Clean or replace as recommended by the engine manufacturer.
ngine smokes	Engine loses crankcase vacuum	Dipstick not seated or broken. Replace defective part. Engine breather defective. Replace.
xcessive bration	Bent or damaged blade spindle	**Stop engine immediately.** Check all pulleys, blade adapters, keys and bolts for tightness and damage. Tighten or replace any damaged parts.
	Bent blade	**Stop engine immediately.** Replace damaged blade. Only use original equipment blades.
lower will not scharge rass or leaves ncut strips	Engine speed low Speed selection Blades short or dull	Throttle must be set at full throttle. Use lower ground speed. The slower your ground speed, the better the quality of cut. Sharpen or replace blades (uncut strip problem only).

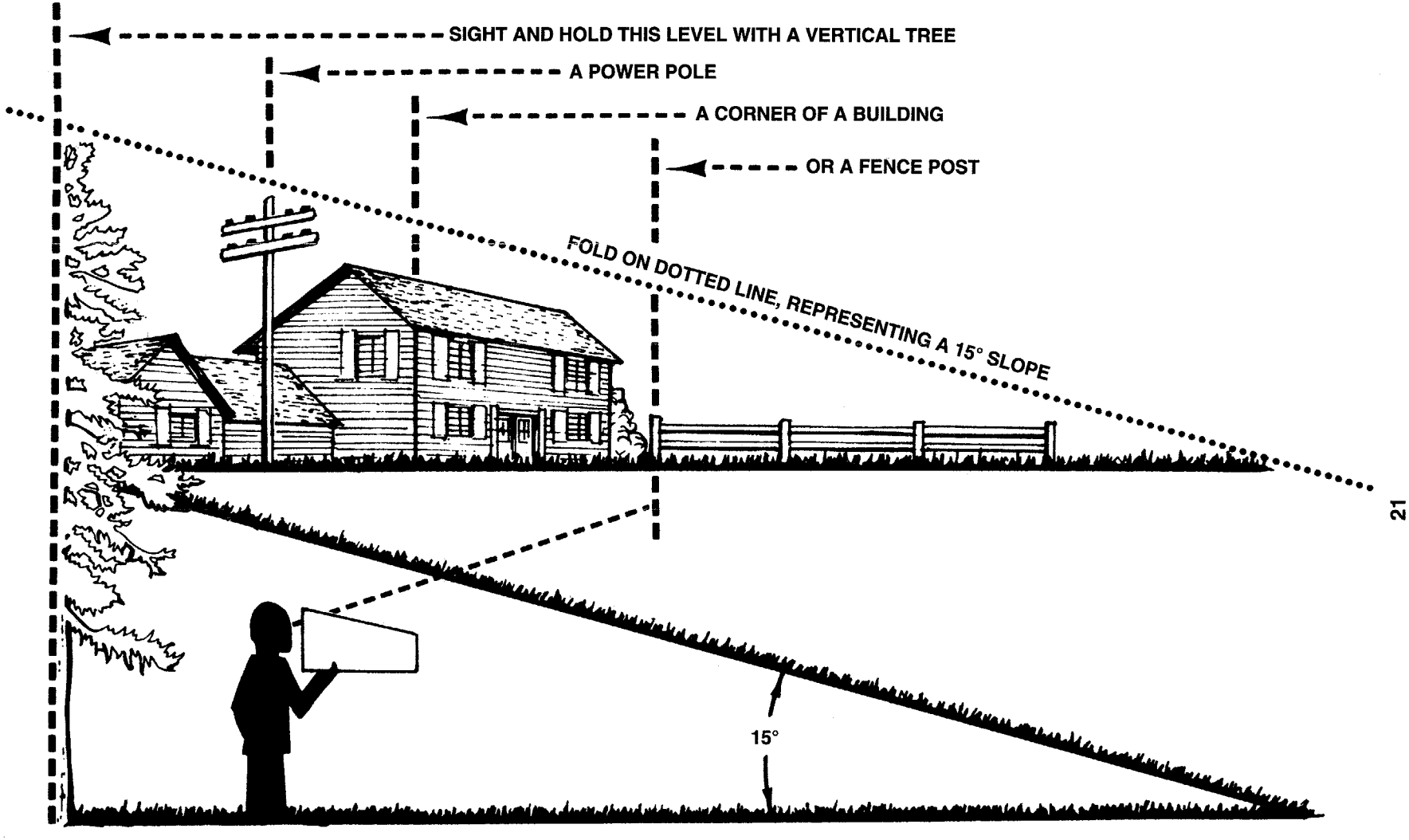
ne above steps fail to correct the problem, take the unit to your local authorized service dealer for repair.

HYDROSTATIC TRANSMISSION TROUBLE SHOOTING

No output torque (power) in either direction, cold start.	1. Recheck relief valve position, control linkage, input drive. 2. Oil level in reservoir low. 3. Broken control shaft dowel pin. Transmission must be repaired or replaced.
Loss of output torque, continuous load.	1. Operating at conditions approaching hydraulic stall. The transmission fluid has exceeded 180° F. 2. Internal leakage due to wear. Transmission should be repaired or replaced. 3. Water in transmission fluid. Purge system of all fluid and replace with new transmission fluid. Replacement of the transmission is generally not necessary.
No output torque in one direction.	1. One of the directional valves is stuck. Transmission should be repaired or replaced. 2. Low oil level.
Tractor cannot be pushed with engine off.	1. Relief valve control not set. 2. Relief valve travel not adjusted. 3. Motor piston or rotor seized. Transmission must be repaired or replaced.
No neutral.	Recheck linkage. Loose linkage creates an adjustment problem. Note: The hydraulic neutral band is very narrow. Deflection in the linkage may make it difficult to obtain neutral from both directions. It is recommended that neutral should be positive from forward drive.
Oil leakage at the control shaft seal.	1. Spillage when fluid has been added to the reservoir. 2. Spillage at the vent in the reservoir at operating temperatures due to cold level being too high or water in the fluid. Reduce fluid level or replace fluid in the event there is water in it (milky color). 3. Loose oil reservoir or cover. 4. Loose vent bolt. 5. Damaged control shaft seal. Transmission should be repaired.
Noisy operation.	1. Operating at part throttle. Hydrostatic transmission is designed to operate with the engine running at full throttle. 2. Water in transmission fluid. Replace transmission fluid. 3. Air in transmission fluid. Bleed air from vent.
Output shaft rotates in the opposite direction.	The transmission body is 180° out of position. Transmission has to be removed and reassembled correctly.

USE THIS PAGE AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.

SLOPE GAUGE


SIGHT AND HOLD THIS LEVEL WITH A VERTICAL TREE
A POWER POLE
A CORNER OF A BUILDING
OR A FENCE POST
FOLD ON DOTTED LINE, REPRESENTING A 15° SLOPE
15°

WARNING

Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2-1/2 feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

MANUFACTURER'S LIMITED WARRANTY

For TWO YEARS from the date of retail purchase within the United States of America, its possessions and territories, YARD-MAN will, at its option, repair or replace, for the original purchaser, free of charge, any part or parts found to be defective in material or workmanship. This warranty covers units which have been operated and maintained in accordance with the owner's instructions furnished with the unit, and which have not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance or alteration.

Normal wear parts or components thereof are subject to separate terms as noted below in the "No Fault Ninety Day Consumer Warranty" clause.

All normal wear part failures will be covered on this product for a period of 90 days regardless of cause. After 90 days, but within the two year period, normal wear parts failures will be covered ONLY IF caused by defects in material or workmanship of OTHER component parts. Normal wear parts are defined as batteries*, belts, blades, blade adapters, grass bags, rider deck wheels, seats, snow thrower skid shoes, shave plates and tires.

How to obtain service: Warranty service is available, with proof of purchase, through your local authorized service dealer. To locate the dealer in your area, please check the yellow pages or contact the Customer Service Department of YARD-MAN, P O Box 368022, Cleveland, Ohio 44136-9722. Phone 1 (800) YARD-MAN. The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by the Customer Service Department of YARD-MAN.

Transportation charges: Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser.

Units exported out of the United States: YARD-MAN does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through YARD-MAN'S authorized channels of export distribution.

Other Warranties:

1. The engine or component parts thereof carry separate warranties from their manufacturers. Please refer to the applicable manufacturer's warranty on these items.

*2. Batteries are covered by a 90-day replacement warranty.

3. Log splitter pumps, valves and cylinders or component parts thereof are covered by a one year warranty.

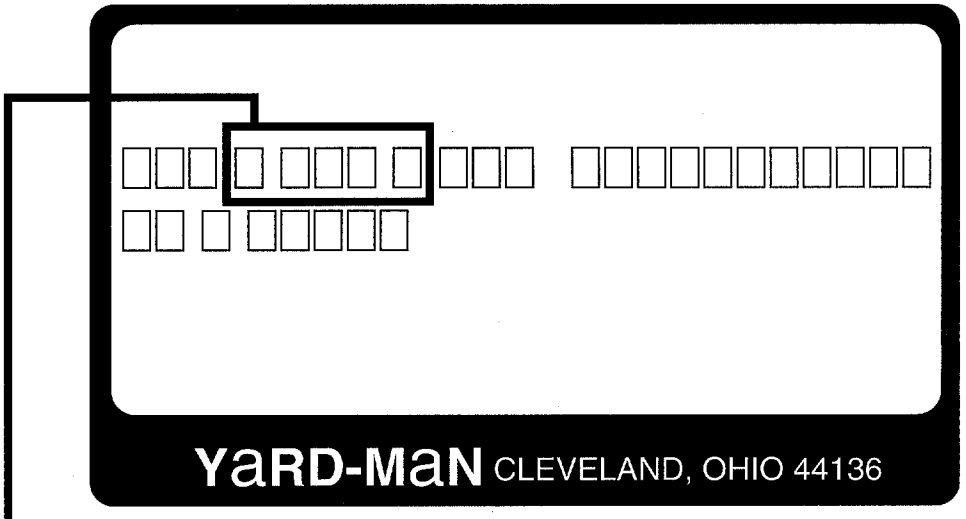
4. All other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose, are hereby expressly disclaimed in their entirety.

5. The provisions as set forth in this warranty provide the sole and exclusive remedy of YARD-MAN'S obligations arising from the sales of its products. YARD-MAN will not be liable for incidental or consequential loss or damage.

How state law relates to this warranty: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Certain disclaimers are not allowed in some states and therefore they may not apply to you under all circumstances.

NOTE: This warranty does not cover routine maintenance items such as lubricants, filters, blade sharpening and tune-ups, or adjustments such as brake adjustments, clutch adjustments or deck adjustments. Nor does this warranty cover normal deterioration of the exterior finish due to use or exposure.

Copy the information from your model plate here:



Please help us help you!

Have your model number available when you call

Model No.	-999-	Model No.	-999-
Engine Oil (SAE 30)	737-0208	Taillight Bulb	725-3020
Battery	725-0453C	50" Mower Deck	190-993-000
Transaxle Oil Filter	727-0162	45" Snow Thrower Attachment	190-990-000
Hydrostatic Fluid	See Page 14	48" Dozer Blade	190-985-000
Circuit Breaker (20 amp)	725-1382	8 HP Tiller Attachment	190-960-000
Ignition Key	725-0201	12" Moldboard Plow	190-920-000
Throttle Control Cable	746-0915	Tandem Disc Harrow	190-921-000
PTO V-Belt	754-0234	Spring Shank Cultivator	190-922-000
Steering Wheel Insert	731-0955	3-Point Hitch	190-951-000
Steering Wheel	631-0027	Front Wheel Weights (31 lb.)	OEM-190-215
Front Wheel Cover	731-0349	Rear Wheel Weights (50 lb.)	OEM-190-784
Front Wheel Bearing	731-0374	Tire Chains	OEM-190-965
Headlight	725-0222	Illustrated Parts Lists	Order by Model No.

MasterCard

VISA

DISCOVER

For Parts, Accessories or Service Information,

CALL NOW!

1(800) 800-7310

8:00 AM to 8:00 PM Monday Through Saturday
12 Noon to 6:00 PM Sunday
Eastern Time (winter hours may vary)

The only way to ensure the performance of your product is to use original equipment parts and accessories, which are designed and engineered to exacting specifications. When you substitute, you take a chance on quality, reliability, safety and performance. Use original equipment parts—See your local service dealer.

⚠ WARNING: The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.